

Life expectancy for the United States, 1900-1981, contrasted with the proportion of the Gross National Product expended for health care. Roman numerals (I, II, III) represent major cycles of biomedical progress (see Fig. 2).

mortality is, of comes, not the only indicator.

E.G. there has been enomine progress in Erestment
of psychiatric conditions, with great human beingit
not measured by life expectancy.

Part of my argument, and part of our mutual concern, is epitomized in a chart familiar to many of you: the improvement of life expectancy since 1900 (Fig. 1). It also shows the percentage of the Gross National Product which has been devoted to health expenditure since 1930, when the collection of those statistics began. The striking thing you can see from this chart is that there seemed to be no correlation between the very sharp increase in expenditures for health that this country has experienced since the middle fifties and the near flattening of our mortality rate until the last decade.

Let me stress that throughout this period expenditures for health research have fluctuated between a little over one percent and perhaps as much as four percent of the total health expenditure at various periods. In fact, there is no

Butwe should understand thereby better!

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10s/U/LEDERZERG Deputy am. NASA, Ita.
JUL 23 1986
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reading -rw---- 1 jsl
thoughts on agenda for graham. No surprises
Rationalization of world economy.
        US competitive advantages
           hi tech
           information infrastructure
           ... ?
           agriculture
           other resources
           Educational sustems
           international trade; export controls
        US competitive disadv.
National Security
        US-USSR
          weapons
          arms control
          intelligence, interface to policy
          scientific and technical relations; vs human rights
                (export control isssues)
        terrorism; safe travel
          CBM
US as fount of technology for world development
        essentiality for avoidance of major conflict
        world health
        world population
        world agriculture
        US economic and technical interactions with all of
                above; and with division of labor
Environmental tradeoffs
        asbestos
        toxic waste disposal
          protect water supply; standards?
          oceans; incineration?
          radioactive
          CW
        energy
          C02
          nuclear power
Health
        aging population
        AIDS; vaccines
        rationalize health expend. / outcomes
          not only mortality: e.g. psychiatric
        drug abuse
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